GFX-30 TECHNICAL SPECIFICATIONS

Output Power Rating	>30 watts RMS @ 5% THD 4 ohms, 120VAC
Gain, Overdrive Channel	86dB +/-6dB @ 1kHz
Gain, Clean Channel	46dB +/-6dB @ 1kHz
Tone Control Range, Low	25dB @ 80Hz
Tone Control Range, Mid	19dB @ 900Hz
Tone Control Range, High	23dB @ 5kHz
Signal To Noise, Overdrive Channel	>50dB
Signal To Noise, Clean Channel	>65dB
Maximum Signal Accepted	>1.2 volts RMS min. @ 400Hz
Internal Speaker	12" Crate Custom Design 4 ohm
Input Power Requirements	120 VAC, 60Hz, 50VA 100/115VAC, 50/60Hz, 50VA 230VAC, 50/60Hz, 50VA
Size and Weight:	18.5" H x 19.5" W x 11" D, 20 lbs.

The GFX-30 is covered with a durable black Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which could damage the finish.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

ATTENTION
RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION: POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPRABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.

VORSICHT
ELEKTRISCHE SCHLAGGEFAHR NICHT OFFENEN

VORSICHT: ZUR MINIMIERUNG ELEKTRISCHER SCHLAGGEFAHR NICHT DEN DECKEL ABENHMEN. INTERNE TEILE KONNEN NICHT VOM BENUTZER GEWARTET WERDEN. DIE WARTUNG IS QUALIFIZIERTEM WARTUNGSPERSONAL ZU UBERLASSEN.

THIS EQUIPMENT HAS BEEN DESIGNED AND ENGINEERED TO PROVIDE SAFE AND RELIABLE OPERATION. IN ORDER TO PROLONG THE LIFE OF THE UNIT AND PREVENT ACCIDENTAL DAMAGES OR INJURY, PLEASE FOLLOW THESE PRECAUTIONARY GUIDELINES:

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN CHASSIS; DO NOT DEFEAT OR REMOVE THE GROUND PIN OF THE POWER CORD; CONNECT ONLY TO A PROPERLY GROUNDED AC POWER OUTLET.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION: OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.

EXPLANATION OF GRAPHICAL SYMBOLS:
EXPLICACION DE SIMBOLOS GRAFICOS:
EXPLICATION DES SYMBÔLES GRAPHIQUES:

= "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"

= "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL" "ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES." "REFERREZ-VOUS AU MANUAL D'UTILISATION" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this Crate manual are subject to change without notice.

www.crateamps.com

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P/N 47-454-01 • 06/98

GFX-30

GUITAR AMPLIFIER WITH DIGITAL SIGNAL PROCESSING

OWNER'S MANUAL

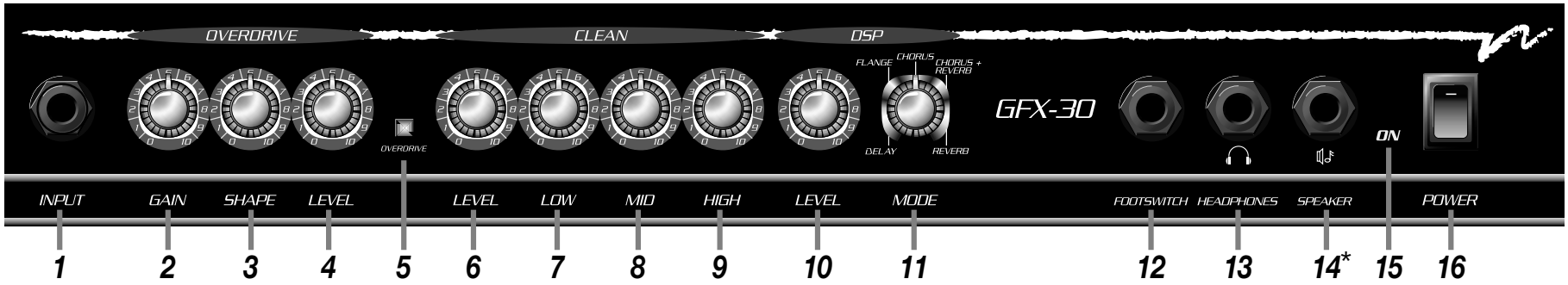
Congratulations!

You are now the proud owner of the Crate GFX-30 guitar amplifier. Featuring a "Clean" channel with a 3-band EQ and Level control, and an "Overdrive" channel with our patented "Flex-Wave" circuitry with Gain, Level and Crate's Shape control, plus an easy to operate DSP section which lets you dial in a variety of digital effects such as delay, flange, chorus and reverb (with its own level control), the GFX-30 offers you more flexibility and performance than any amp in its class. A special damping circuit simulates the "current source" type output of a tube amp, giving you solid state reliability combined with classic tube sounds.

Like all Crate products, your GFX-30 is Musician Made in the U.S.A., using only the best components. Extensive testing at the hands (and ears) of skilled technicians and musicians insures you that this amplifier is the absolute best it can be.

In order to get the most out of your new amplifier, we strongly urge you to go over the information contained in this manual before you begin playing.

And ***thank you*** for choosing CRATE®



1: INPUT: Connect your guitar here using a shielded instrument cable.

OVERDRIVE CHANNEL: *A high gain channel giving you sounds from a slight edge to serious overdrive.*

2: GAIN: This control sets the amount of compression and distortion from the amplifier. With the control towards the far left, the sound will have a thick compressed quality. As you turn the control to the right the amount of distortion increases. Crate's exclusive "Flex Wave" circuitry uses sequential cascading gains to deliver distortion which is rich in harmonics and "touch sensitive." Use this control along with the Shape and Level controls (#3 and 4) to create a wide variety of sounds.

3: SHAPE: To quickly "dial in" just the right distortion sound, simply rotate the Shape control until you find the sound you're looking for. Turning the control towards the left enhances the mid frequencies; turning it to the right enhances the low and high frequencies.

4: LEVEL: Sets the output volume level from the Overdrive Channel: in the far left position there is no output; turning the control to the right increases the output. Use this control along with the Gain and Shape controls (#2 & 3) to create a wide variety of sounds.

5: OVERDRIVE: When this switch is pressed **in** the Overdrive Channel is engaged. The Clean Channel is selected when this switch is **out**. A footswitch (#12) overrides this switch.

CLEAN CHANNEL: *A normal gain channel designed to give you crystal clear sounds.*

6: LEVEL: Sets the output volume level from the Clean Channel: in the far left position there is no output; turning the control to the right increases the output level.

7: LOW: Adjusts the low frequency output level: to the left reduces the low frequency output; to the right increases it. This control allows a range of 25dB at 80Hz.

8: MID: Adjusts the mid frequency output level: to the left reduces the midrange output; turning it to the right increases it. This control allows a range of 19dB at 900Hz.

9: HIGH: Adjusts the high frequency output level: to the left reduces the high frequency output; to the right increases it. This control allows a range of 23dB at 5kHz.

10: DSP LEVEL: Adjust the amount of digital signal processing with this control: in the full left position the output signal is "dry" (no effect); rotating the control to the right increases the amount of effect. The DSP can be turned on and off with the supplied footswitch.

11: DSP MODE: Select the type of digital effect(s) desired with this control. Each category and its central location is called out (delay, flange, etc.) by the markings around the control; there are two variations per effect, as follows:

- Slapback delay
- Long delay w/regeneration
- Light Flange
- Heavy Flange
- Slow Chorus
- Fast Chorus
- Chorus w/small room reverb
- Chorus w/large room reverb
- Small room reverb
- Large room reverb

12: FOOTSWITCH: Connect a two-button footswitch (such as the Crate CFP-2) here for remote control of the Channel Select and DSP on/off.

13. HEADPHONES: For private practice sessions, plug a pair of stereo headphones into this jack. The internal speaker is disconnected whenever headphones are used.

14: SPEAKER*: Connect to an extension speaker cabinet with this jack. The jack is wired in series with the internal speaker(s).

15: ON LED: The word "ON" will glow when you turn on the GFX-30, showing you that the amplifier is activated and ready to play.

16: POWER SWITCH: Turns the amplifier ON in the up position, off in the down position.

17: POWER CORD (rear panel, not shown): Your GFX-30 is equipped with a heavy duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60Hz AC power outlet before use. (If your GFX-30 was purchased outside the United States, refer to the rear panel for power ratings.) For your safety, never attempt to defeat the ground connection on this cord.

18: FUSE (rear panel, not shown): Protects the amplifier against damages caused from a faulty AC power source or other problems. If the fuse blows, replace it ONLY with the same size and type fuse. If the fuse blows repeatedly check the AC source; if it's okay, contact your Crate dealer for service information.

***WARNING: DO NOT** attempt to use headphones in the Speaker jack! Permanent hearing damage could result!